

Amendments to the Claims:

The listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1-4. (Canceled)

5. (Currently amended) A gas-generation device for generating a hydrogen-rich gas from at least one of partial oxidation of an oxygen/fuel mixture or catalytic steam reforming of a water/fuel mixture, comprising:

a partial oxidation reactor by which a product gas is generated;

an adiabatic, catalytic after-treatment stage, downstream of the partial oxidation reactor, ~~by which an~~ produces a product gas with a minimized oxygen content ~~in from~~ the product gas generated by the partial oxidation reactor ~~is minimized~~; and

a steam reformer downstream of the after-treatment stage ~~to which the~~ receives said product gas with the minimized oxygen content ~~is fed from~~ produced by the after-treatment stage.

6. (Original) A device according to Claim 5, wherein the catalytic after-treatment stage comprises a precious metal-containing catalyst.

7. (Original) A device according to Claim 5, wherein the catalytic after-treatment stage comprises a catalyst support having a low heat capacity.

8. (Original) A device according to Claim 5, further comprising heating means for heating at least one of the steam reformer or the adiabatic, catalytic after-treatment stage.

9. (Previously presented) A device according to Claim 5, wherein the adiabatic catalytic after-treatment stage is integrated into the partial oxidation reactor or the steam reformer.